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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/986,119

DATE: 06/03/2002

TIME: 10:33:27

Input Set : N:\Crf3\RULE60\09986119.raw
Output Set: N:\CRF3\06032002\I986119.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:
5 (i) APPLICANT: Rybak, Susanna M.
6 Newton, Dianne L.
7 Goldenberg, David M.
9 (ii) TITLE OF INVENTION: Immunotoxins Directed Against Malignant
10 Cells
12 (iii) NUMBER OF SEQUENCES: 3
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Townsend and Townsend and Crew LLP
16 (B) STREET: Two Embarcadero Center, Eighth Floor
17 (C) CITY: San Francisco
18 (D) STATE: California
19 (E) COUNTRY: USA
20 (F) ZIP: 94111-3834
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28 (vi) CURRENT APPLICATION DATA:
C--> 29 (A) APPLICATION NUMBER: US/09/986,119
C--> 30 (B) FILING DATE: 07-Nov-2001
31 (C) CLASSIFICATION:
33 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: US/09/071,672
36 (B) FILING DATE: 01-MAY-1998
38 (A) APPLICATION NUMBER: US 60/046,895
39 (B) FILING DATE: 02-MAY-1997
41 (viii) ATTORNEY/AGENT INFORMATION:
42 (A) NAME: Weber, Ellen Lauver
43 (B) REGISTRATION NUMBER: 32,762
44 (C) REFERENCE/DOCKET NUMBER: 015280-32510US
46 (ix) TELECOMMUNICATION INFORMATION:
47 (A) TELEPHONE: (415) 576-0200
48 (B) TELEFAX: (415) 576-0300
51 (2) INFORMATION FOR SEQ ID NO: 1:
53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 104 amino acids
55 (B) TYPE: amino acid
56 (C) STRANDEDNESS:
57 (D) TOPOLOGY: linear
59 (ii) MOLECULE TYPE: protein

ENTERED

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62      (ix) FEATURE:
63          (A) NAME/KEY: Modified-site
64          (B) LOCATION: 1
65          (D) OTHER INFORMATION: /product= "OTHER"
66 /note= "Xaa = Glu or pyroglutamic acid"
68      (ix) FEATURE:
69          (A) NAME/KEY: Protein
70          (B) LOCATION: 1..104
71          (D) OTHER INFORMATION: /note= "RNase A derived from
72 Rana pipiens, "onc protein"
75      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 77      Xaa Asp Trp Leu Thr Phe Gln Lys Lys His Ile Thr Asn Thr Arg Asp
78          1          5          10          15
79      Val Asp Cys Asp Asn Ile Met Ser Thr Asn Leu Phe His Cys Lys Asp
80          20          25          30
81      Lys Asn Thr Phe Ile Tyr Ser Arg Pro Glu Pro Val Lys Ala Ile Cys
82          35          40          45
83      Lys Gly Ile Ile Ala Ser Lys Asn Val Leu Thr Thr Ser Glu Phe Tyr
84          50          55          60
85      Leu Ser Asp Cys Asn Val Thr Ser Arg Pro Cys Lys Tyr Lys Leu Lys
86          65          70          75          80
87      Lys Ser Thr Asn Lys Phe Cys Val Thr Cys Glu Asn Gln Ala Pro Val
88          85          90          95
89      His Phe Val Gly Val Gly Ser Cys
90          100
99 (2) INFORMATION FOR SEQ ID NO: 2:
101      (i) SEQUENCE CHARACTERISTICS:
102          (A) LENGTH: 249 base pairs
103          (B) TYPE: nucleic acid
104          (C) STRANDEDNESS: single
105          (D) TOPOLOGY: linear
W--> 107      (ii) MOLECULE TYPE: DNA
110      (ix) FEATURE:
111          (A) NAME/KEY: -
112          (B) LOCATION: 1..249
113          (D) OTHER INFORMATION: /note= "nucleic acid encoding
114 "onc protein"
117      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
119      GATGTTGATT GTGATAATAT CATGTCAACA AACTTGTTCC ACTGCAAGGA CAAGAACACT      60
121      TTTATCTATT CACGTCCTGA GCCAGTGAAG GCCATCTGTA AAGGAATTAT AGCCTCCAAA      120
123      AATGTGTTAA CTACCTCTGA GTTTTATCTC TCTGATTGCA ATGTAACAAG CAGGCCTTGC      180
125      AAGTATAAAT TAAAGAAATC AACTAATAAA TTTTGTGTAA CTTGTGAAAA TCAGGCACCA      240
127      GTTCATTTT
130 (2) INFORMATION FOR SEQ ID NO: 3:
132      (i) SEQUENCE CHARACTERISTICS:
133          (A) LENGTH: 83 amino acids
134          (B) TYPE: amino acid
135          (C) STRANDEDNESS:
136          (D) TOPOLOGY: linear

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138      (ii) MOLECULE TYPE: protein
141      (ix) FEATURE:
142          (A) NAME/KEY: Protein
143          (B) LOCATION: 1..83
144          (D) OTHER INFORMATION: /note= "onc protein", positions 16-98
145 of SEQ ID NO:1"
148      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
150      Asp Val Asp Cys Asp Asn Ile Met Ser Thr Asn Leu Phe His Cys Lys
151          1             5             10             15
153      Asp Lys Asn Thr Phe Ile Tyr Ser Arg Pro Glu Pro Val Lys Ala Ile
154          20             25             30
156      Cys Lys Gly Ile Ile Ala Ser Lys Asn Val Leu Thr Thr Ser Glu Phe
157          35             40             45
159      Tyr Leu Ser Asp Cys Asn Val Thr Ser Arg Pro Cys Lys Tyr Lys Leu
160          50             55             60
162      Lys Lys Ser Thr Asn Lys Phe Cys Val Thr Cys Glu Asn Gln Ala Pro
163          65             70             75             80
165      Val His Phe

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/986,119

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Input Set : N:\Crf3\RULE60\09986119.raw

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L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:107 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2